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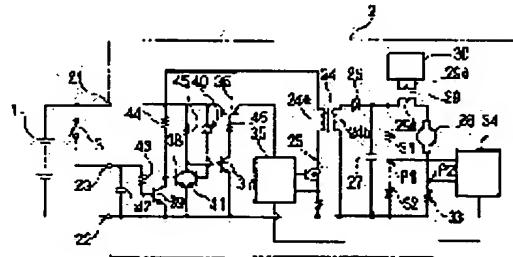
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## (54) POWER SUPPLY CIRCUIT

### (57)Abstract:

PURPOSE: To control power feeding from a power supply to the load without using any power relay.  
CONSTITUTION: An MOSFET 25 is provided on a power feeding passage from an on-vehicle battery 1 to a primary coil 24a of a transformer 24 and controls power feeding from the on-vehicle battery 1 to the primary coil 24a. A control circuit 35 controls the MOSFET 25 by receiving power feeding from the on-vehicle battery 1. A PNP transistor 36 is provided on the power feeding passage from the on-vehicle battery 1 to the control circuit 35 and supplies or shuts out the power supply from the on-vehicle battery 1 to the control circuit 35 by responding to the operation of an operation switch 3 by an operator. A driving circuit of the PNP transistor 36 is provided with overvoltage protective circuits 40, 41 to respond to the overvoltage of the power supply. A secondary coil 24b of the transformer 24 supplies the power supply to a metal halide lamp 28.



## LEGAL STATUS

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